

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet
Spring 2014 Levee Inspection Results****Sutter Maintenance Yard Maintenance Area 0001**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0001

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	17.12
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/11/2014 - 03/11/2014			
DWR Inspector	Bob Duffey			
Accompanied By	Bryan Reniff Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	19
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_MA0001_01_s _ 2013_19				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_MA0001_01_s _ 2013_28				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	29
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_MA0001_01_s_2013_29				
Action/Comments					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	0.04	Rating **	U	Issue No.	2
LM End	0.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.213988 °	39.215198 °
				-122.001537 °	-122.004775 °
DWR ID	DWR_MA0001_01_s _ 2012_2				
Action/Comments					
Building					

Photo 1 of 1 : rduffey_s_20140304_312.jpg



View of the building along the L/S toe.

LM Start	0.69	Rating **	U	Issue No.	7
LM End	0.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.216533 °	39.216680 °
				-122.012512 °	-122.012907 °
DWR ID	DWR_MA0001_01_s _ 2012_7				
Action/Comments					
Building					

Photo 1 of 1 : rduffey_s_20140304_316.jpg



View of the buildings along the L/S toe.

LM Start	0.80	Rating **	U	Issue No.	8
LM End	0.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.217282 °	39.218215 °
				-122.014290 °	-122.016538 °
DWR ID	DWR_MA0001_01_s _ 2012_8				
Action/Comments					
Building					

No Photos

* Location
LS : Land Side
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** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	1.20	Rating **	M	Issue No.	9
LM End	1.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.221685 °	39.221685 °
				-122.015720 °	-122.015720 °
DWR ID	DWR_MA0001_01_s_2014_9				
Action/Comments					
Inspector Comments: FS_ID:25770					
EP_NO: 9481					
Repair Type:					
Crossing Status:					
UCIP Comments: Need pressure test/video inspection to determine integrity of pipe wall. WS-woody debris scattered along slope & bank. Erosion on bank near ditch. LS-discharge pipe heavily corroded & CMP section missing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0097 for debris & encroachment within 15 feet/18/2013 LS outlet was underwater and could not be inspected but nothing looks to have been changed 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 36-inch corrugated metal pipe (CMP) through the levee, slide gate on the waterward slope. (ABO No. 9481-1974, Roberts Ditch Irrigation Company) Crossing penetrates the levee at an angle. Other appurtenances located at this crossing include slant pump, concrete distribution box and shed structure located 100 feet northeast from levee crossing. Flow is carried from concrete distribution box to slide gate via concrete lined ditch. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 63+53).					
FS Date: 12/30/2013 11:56:36 AM					

Photo 1 of 1 : UCIP_4800.jpg



Slide gate located on WS slope.

LM Start	1.23	Rating **	U	Issue No.	6
LM End	1.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.222119 °	39.224063 °
				-122.015747 °	-122.016080 °
DWR ID	DWR_MA0001_01_s_2012_6				
Action/Comments					
Ditch					

Photo 1 of 1 : rduffey_s_20140304_315.jpg



View of ag. ditch along the L/S toe.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	1.96	Rating **	M	Issue No.	10
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.231866 °	39.231866 °
				-122.015442 °	-122.015442 °
DWR ID	DWR_MA0001_01_s_2014_10				
Action/Comments					
Inspector Comments: FS_ID:25772					
EP_NO: 9487					
Repair Type:					
Crossing Status:					
UCIP Comments: Remove dirt and debris in riser. Outlet deformed and blocked over 50%. Debris-round concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt/18/2013 WS pipe end has been reformed but is still clogged about 50% by sediment 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18).					
FS Date: 12/30/2013 12:06:17 PM					

Photo 1 of 1 : UCIP_4802.jpg



CMP riser located on waterward slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	1.96	Rating **	M	Issue No.	11
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.231880 °	39.231880 °
				-122.015432 °	-122.015432 °
DWR ID	DWR_MA0001_01_s_2014_11				
Action/Comments					
Inspector Comments: FS_ID:25773					
EP_NO: 9487					
Repair Type:					
Crossing Status:					
UCIP Comments: WS-remove dirt and debris in riser. Outlet deformed and blocked over 50%. Burrow activity near outlet on waterward slope. Debris around concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID#					
USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt/18/2013 WS pipe end has been reformed but is still partially blocked with dirt and debris/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18).					
FS Date: 12/30/2013 12:09:03 PM					

No Photos

*** Location**
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	2.28	Rating **	M	Issue No.	17
LM End	2.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.235993 °	39.235993 °
				-122.012970 °	-122.012970 °
DWR ID	DWR_MA0001_01_s_2014_17				
Action/Comments					
Inspector Comments: FS_ID:25774					
EP_NO: 9472					
Repair Type:					
Crossing Status:					
UCIP Comments: Remove debris from riser. Landward inlet is blocked by over 50%. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0128 for sediment build up at inlet (landward side) and debris inside riser 7/18/2013					
Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 54-inch corrugated metal drain pipe through the levee. Slide gate in CMP riser on the waterward slope. 48-inch corrugated metal pipe at landward slope. This crossing crosses the levee at an angle. (ABO No. 9472-1974, Ballard) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 120+00) dated 1955.					
FS Date: 12/30/2013 12:09:57 PM					

Photo 1 of 1 : UCIP_4824.jpg



Inlet located on landward side.

* Location
LS : Land Side
WS : Water Side
CR : Crown

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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	2.30	Rating **	M	Issue No.	30
LM End	2.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.236178 °	39.236178 °
				-122.012812 °	-122.012812 °
DWR ID	DWR_MA0001_01_s_2014_30				
Action/Comments					
Inspector Comments: FS_ID:25775					
EP_NO: 9467					
Repair Type:					
Crossing Status:					
UCIP Comments: Only riser visible. Debris and sediment blocking gate.					
Gate inside riser is buried and non-functional. If crossing is abandoned,					
owner needs to properly abandon. This crossing was listed in the					
USACE Periodic Inspections as ID#					
USACE_CESPK_MA1C_2010_p_0132 no culvert through the levee is					
visible her7/18/2013 Same as last inspection12/17/2013 Same					
as last inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through					
levee. Slide gate in CMP riser on the waterward slope. (ABO No. 9467-					
1974, Lovell E. Spurgeon) This entry matches the Drainage and					
Irrigation Structure referenced in O&M manual (Station 120+60)					
FS Date: 12/30/2013 12:10:39 PM					

Photo 1 of 1 : UCIP_4828.jpg



Overview of levee crown looking upstream at crossing.

LM Start	2.58	Rating **	U	Issue No.	20
LM End	2.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.239750 °	39.239955 °
				-122.010390 °	-122.010090 °
DWR ID	DWR_MA0001_01_s_2012_20				
Action/Comments					
Building					

Photo 1 of 1 : rduffey_s_20140304_324.jpg



View of the house next to the levee.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

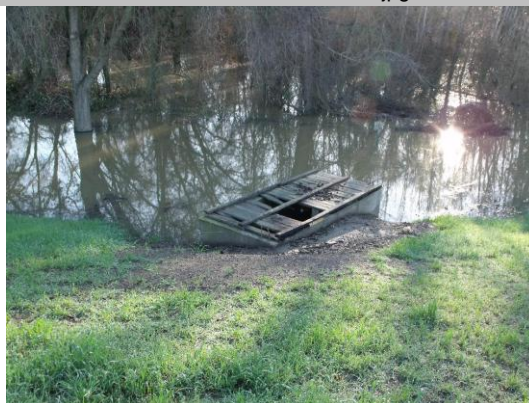
Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	2.87	Rating **	M	Issue No.	31
LM End	2.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243410 °	39.243410 °
				-122.008393 °	-122.008393 °
DWR ID	DWR_MA0001_01_s_2014_31				

Action/Comments					
Inspector Comments: FS_ID:25776					
EP_NO: 9474					
Repair Type:					
Crossing Status:					
UCIP Comments: During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned-slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt/18/2013 Same as last inspection12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 60-inch concrete pipe through the levee. Slide gates in concrete well at the waterward toe. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well.					
FS Date: 12/30/2013 12:11:47 PM					

Photo 1 of 1 : UCIP_4838.jpg



View of concrete distribution box located on waterward shoulder-photo taken Jan-2010 during high water.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	2.87	Rating **	M	Issue No.	32
LM End	2.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243433 °	39.243433 °
				-122.008386 °	-122.008386 °
DWR ID	DWR_MA0001_01_s_2014_32				
Action/Comments					
Inspector Comments: FS_ID:25777					
EP_NO: 9474					
Repair Type:					
Crossing Status:					
UCIP Comments: During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned-slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt/18/2013 Same as last inspection12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 2: 60-inch pipe through the levee. Crossing angles through levee. Slide gates in concrete well at the waterward toe. Slide gates missing. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well.					
FS Date: 12/30/2013 12:14:11 PM					

No Photos

LM Start	3.10	Rating **	U	Issue No.	5
LM End	3.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.246822 °	39.256054 °
				-122.008146 °	-122.009808 °
DWR ID	DWR_MA0001_01_s_2012_5				
Action/Comments					
Ditch					

Photo 1 of 1 : rduffey_s_20140304_314.jpg



View of the ag. ditch & concrete building along the L/S toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

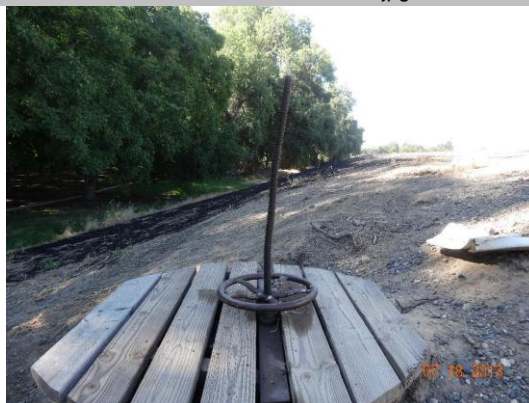
Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	3.40	Rating **	M	Issue No.	33
LM End	3.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.250843 °	39.250843 °
				-122.007992 °	-122.007992 °
DWR ID	DWR_MA0001_01_s_2014_33				
Action/Comments					
Inspector Comments: FS_ID:25779					
EP_NO: 9490					
Repair Type:					
Crossing Status:					
UCIP Comments: LS pipe slightly deformed and sediment build up blocking about 30% of opening; need to check the condition of the slide gate-need photo. Metal marker down. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0187 for sediment build up at landward to 8/18/2013 WS slide gate looks to be in good condition but stem is slightly bent. Not sure if bend will hinder gates operation or not. LS inlet is still blocked by minor sediment build up 2/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 36-inch drain pipe through the levee. Slide gate in CMP riser on the waterward slope. (Permit No. 9490-1955) This entry matches the Drainage and Irrigation structure referenced in O&M manual (Station 177+67). (USACE-1955)					
FS Date: 12/30/2013 12:18:02 PM					

Photo 1 of 1 : UCIP_4858.jpg



Bent screw gate stem

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	3.76	Rating **	M	Issue No.	34
LM End	3.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255803 °	39.255803 °
				-122.009683 °	-122.009683 °
DWR ID	DWR_MA0001_01_s_2014_34				
Action/Comments					
Inspector Comments: FS_ID:25780					
EP_NO: 4213					
Repair Type:					
Crossing Status:					
UCIP Comments: Recommend adding door to LS concrete structure.					
Riser located on landward side is damaged. This crossing was listed in					
the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0194 no issues logged 7/18/2013					
Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee. Gate valve on					
waterward shoulder. 1-1/4 inch conduit through the levee. Siphon					
breaker on the landward shoulder. Concrete pump house. (Permit No.					
4213-1973, Scott Ranch)					
FS Date: 12/30/2013 12:19:06 PM					

Photo 1 of 1 : UCIP_4862.jpg



View inside concrete distribution box located on landward side.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	3.79	Rating **	M	Issue No.	36
LM End	3.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256189 °	39.256189 °
				-122.009957 °	-122.009957 °
DWR ID	DWR_MA0001_01_s_2014_36				
Action/Comments					
Inspector Comments: FS_ID:25781					
EP_NO: 9490					
Repair Type:					
Crossing Status:					
UCIP Comments: Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0194-6 & 7 no issues					
logged 7/18/2013 Same as last inspection12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe (CMP) through levee. Concrete distribution box with pump system located on landward side. Slide gate on the waterward slope removed. (ABO No. 9490-1974, Charles T & Virginia W. Yerxa) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 197+19).					
FS Date: 12/30/2013 12:20:12 PM					

Photo 1 of 1 : UCIP_4867.jpg



Abandoned concrete column located on waterward slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	3.85	Rating **	M	Issue No.	37
LM End	3.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256553 °	39.256553 °
				-122.010912 °	-122.010912 °
DWR ID	DWR MA0001 01 s 2014 37				

Action/Comments

Inspector Comments: FS_ID:25782

EP_NO: 9489

Repair Type:

Crossing Status:

UCIP Comments: Slide gate wheel handle missing. Clear debris from CMP riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0196 for access box contains backfilled (permanently shut) and outlet located on landside has sediment build up 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.

FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee. Slide gate in CMP riser on the waterward slope. 6 foot by 6 foot concrete box on the waterward berm . Additional 12-inch pipe inside concrete distribution box. (ABO No. 9489-1974, Mayfair Farms Inc.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 198+00).

FS Date: 12/30/2013 12:21:44 PM

Photo 1 of 1 : UCIP_4870.jpg



Landward side

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	3.87	Rating **	M	Issue No.	38
LM End	3.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256606 °	39.256606 °
				-122.011115 °	-122.011115 °
DWR ID	DWR MA0001 01 s 2014 38				

Action/Comments

Inspector Comments: FS_ID:25784

EP_NO: N/A

Repair Type:

Crossing Status:

UCIP Comments: USA flag markers show some type of alignment on LS. Unable to determine if crossing still exists at this location 11/18/2013 Same as last inspection 12/17/2013 Same as last inspection.

FIELD_STRUCT_DESC: 18 inch steel pipe through the levee at an unknown depth. Automatic drainage gate on the outlet end of the pipe. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+20). (USACE, 1955)

FS Date: 12/30/2013 12:25:38 PM

Photo 1 of 1 : UCIP_4876.jpg



View of waterward side--no features present.

LM Start	3.96	Rating **	M	Issue No.	50
LM End	3.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.257125 °	39.257125 °
				-122.012648 °	-122.012648 °

Action/Comments

Elderberries are blocking visibility and flood fight capability.

Photo 1 of 1 : rduffey_s_20140304_327.jpg



View of the elderberry on the landside slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	4.04	Rating **	M	Issue No.	39
LM End	4.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.258073 °	39.258073 °
				-122.013165 °	-122.013165 °

Photo 1 of 1 : UCIP_4884.jpg



DWR ID	DWR_MA0001_01_s_2014_39
Action/Comments	

Inspector Comments: FS_ID:25785
 EP_NO: N/A
 Repair Type:
 Crossing Status:
 UCIP Comments: WS-wheel to operate slide gate missing, walkway has been removed; burrow activity near structure; debris in concrete distribution box WS blocking gate. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing 1/18/2013 Wheel to operate slide gate has been replaced but gate is still blocked by debris 2/17/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through the levee. Walkway to slide gate on waterward end. Walkway has been removed. Flap gate in concrete distribution box at the landward toe. (ABO - Wilcox)
 FS Date: 12/30/2013 12:27:39 PM

Concrete distribution box located on landward toe.

LM Start	4.64	Rating **	C	Issue No.	469
LM End	4.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.265503 °	39.265503 °
				-122.009280 °	-122.009280 °

No Photos

DWR ID	DWR_MA0001_01_s_2012_469
Action/Comments	

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	4.75	Rating **	M	Issue No.	40
LM End	4.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.266435 °	39.266435 °
				-122.010943 °	-122.010943 °
DWR ID	DWR_MA0001_01_s_2014_40				
Action/Comments					
Inspector Comments: FS_ID:25786					
EP_NO: 9475					
Repair Type:					
Crossing Status:					
UCIP Comments: Burrow activity; limited visibility of this crossing only on WS riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. Issue addressed wheel to slide gate has been installed7/18/2013 Same as last inspection12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 16.1 feet below the crown. Slide gate on the waterward end. (ABO No. 9475-1974, Mattie B. Zumwalt Co.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 247+86).					
FS Date: 12/30/2013 12:31:00 PM					

Photo 1 of 1 : UCIP_4890.jpg



Riser with slide gate located on waterward toe.

LM Start	4.89	Rating **	M	Issue No.	3
LM End	4.89	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.157957 °	39.158226 °
				-122.021950 °	-122.021950 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Erosion occurring upstream and downstream of an irrigation diversion structure. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: SYC_9-3_L]					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	5.08	Rating **	M	Issue No.	41
LM End	5.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.264924 °	39.264924 °
				-122.015887 °	-122.015887 °
DWR ID	DWR_MA0001_01_s_2014_41				
Action/Comments					

Inspector Comments: FS_ID:25787

EP_NO: 4903

Repair Type:

Crossing Status:

UCIP Comments: Unable to locate siphon breaker, pump on LS; unable to tell if pump system is part of appurtenances. This crossing was listed in the USACE Periodic Inspection as ID#

USACE_CESPK_MA1C_2010_p_0233 for utility pole and 8 inch steel riser located on landward to 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.

FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee.

Siphon breaker in 24-inch CMP riser on the landward shoulder. 3-inch electrical conduit through the levee. (Permit No. 4903,A-1966, Zumwalt)

FS Date: 12/30/2013 12:32:29 PM

Photo 1 of 1 : UCIP_4893.jpg



View of levee crown looking downstream at crossing.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	5.84	Rating **	M	Issue No.	42
LM End	5.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID	DWR_MA0001_01_s_2014_42				

Action/Comments

Inspector Comments: FS_ID:25788
EP_NO: 9476
Repair Type:
Crossing Status:
UCIP Comments: blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipe (15 feet long) and concrete box culvert through the levee. (ABO No. 9476-1974, Howard C. & Nadine M. Ohliger)
FS Date: 12/30/2013 12:33:33 PM

Photo 1 of 1 : UCIP_4902.jpg



Pump structure located on berm edge.

LM Start	5.84	Rating **	M	Issue No.	43
LM End	5.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID	DWR_MA0001_01_s_2014_43				

Action/Comments

Inspector Comments: FS_ID:25789
EP_NO: 9476
Repair Type:
Crossing Status:
UCIP Comments: blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (15 feet long) and concrete box culvert through the levee. Slide gate located on waterward. (ABO No. 9476-1974, Howard C. & Nadine M. Ohliger)
FS Date: 12/30/2013 12:35:59 PM

Photo 1 of 1 : UCIP_4903.jpg



Headwall and slide gate located on waterward side.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	5.89	Rating **	M	Issue No.	35
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.272773 °	39.272773 °
				-122.023290 °	-122.023290 °
DWR ID	DWR_MA0001_01_s _ 2012_35				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	6.11	Rating **	M	Issue No.	74
LM End	6.11	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.275876 °	39.275876 °
				-122.023567 °	-122.023567 °
DWR ID	DWR_MA0001_01_s _ 2014_74				
Action/Comments					
Tree or limb					

Photo 1 of 1 : rduffey_s_20140317_118.jpg



View of the downed tree on the waterside slope.

LM Start	6.24	Rating **	M	Issue No.	75
LM End	6.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.277656 °	39.277656 °
				-122.022936 °	-122.022936 °
DWR ID	DWR_MA0001_01_s _ 2014_75				
Action/Comments					
Prunings					

Photo 1 of 1 : rduffey_s_20140317_119.jpg



View of the prunings along the landside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	6.34	Rating **	M	Issue No.	76
LM End	6.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.278917 °	39.278917 °
				-122.022595 °	-122.022595 °
DWR ID	DWR_MA0001_01_s _ 2014_76				
Action/Comments					
Prunings					

Photo 1 of 1 : rduffey_s_20140317_120.jpg



View of the prunings along the landside toe.

LM Start	6.37	Rating **	M	Issue No.	44
LM End	6.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.279462 °	39.279462 °
				-122.022461 °	-122.022461 °
DWR ID	DWR_MA0001_01_s _ 2014_44				
Action/Comments					

Photo 1 of 1 : UCIP_5247.jpg



5-inch pipe goes through 36-inch drainage pipe.

Inspector Comments: FS_ID:26383
 EP_NO: 4203
 Repair Type:
 Crossing Status:
 UCIP Comments: Unauthorized 5 inch PVC pipe running through 36 inch crossing. 5 inch PVC crossing prevents slide gate from closing during high water. Debris and sediment inside riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0258 for 5 inch PVC pipe running through culvert 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.
 FIELD_STRUCT_DESC: 36-inch pipe through the levee. Slide gate in CMP riser on the waterward slope. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 331+31).
 FS Date: 1/6/2014 8:21:26 AM

* Location
 LS : Land Side
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	6.51	Rating **	M	Issue No.	77
LM End	6.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.281364 °	39.281364 °
				-122.022038 °	-122.022038 °
DWR ID	DWR_MA0001_01_s _ 2014_77				
Action/Comments					
Prunings					

Photo 1 of 1 : rduffey_s_20140317_122.jpg



View of the prunings along the landside toe.

LM Start	6.54	Rating **	M	Issue No.	45
LM End	6.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.281721 °	39.281721 °
				-122.021894 °	-122.021894 °
DWR ID	DWR_MA0001_01_s _ 2014_45				
Action/Comments					

Inspector Comments: FS_ID:25793
 EP_NO: N/A
 Repair Type:
 Crossing Status:
 UCIP Comments: Need to be properly abandoned concrete structure; plate covers concrete box; Concrete headwall damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0262 for damage to concrete structure (vertical 2 inch wide cracks and spalling visible) 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.
 FIELD_STRUCT_DESC: Abandoned 72-inch corrugated metal drain (precast concrete) pipe through the levee, blocked on waterward end with 3-foot concrete plug installed in 1980. Slide gate in concrete well on the landward shoulder. Concrete headwall at both toes. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 339+74)
 FS Date: 12/30/2013 12:42:51 PM

Photo 1 of 1 : UCIP_4912.jpg



Damage wingwall (upstream) - vertical crack.

* Location
 LS : Land Side
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	7.14	Rating **	M	Issue No.	48
LM End	7.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290147 °	39.290147 °
				-122.021525 °	-122.021525 °
DWR ID	DWR_MA0001_01_s_2014_48				
Action/Comments					
Inspector Comments: FS_ID:25794					
EP_NO: 9482					
Repair Type:					
Crossing Status:					
UCIP Comments: Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS/18/2013 Same as last inspection12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955)(ABO No. 9482-1974, Elizabeth M. Farnsworth).					
FS Date: 12/30/2013 12:46:27 PM					

Photo 1 of 1 : UCIP_4918.jpg



Only 1 slide gate remains, 2nd slide gate has been removed.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	7.14	Rating **	M	Issue No.	49
LM End	7.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290169 °	39.290169 °
				-122.021532 °	-122.021532 °
DWR ID	DWR_MA0001_01_s_2014_49				
Action/Comments					
Inspector Comments: FS_ID:25795					
EP_NO: 9482					
Repair Type:					
Crossing Status:					
UCIP Comments: Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS/18/2013 WS screw gate has been cleared of dirt and is open to irrigate LS fields. LS outlet is still mostly blocked by sediment2/17/2013 WS screw gate was closed and buried by soil again					
FIELD_STRUCT_DESC: 2 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955). (ABO No. 9482-1974, Elizabeth M. Farnsworth)					
FS Date: 12/30/2013 12:49:40 PM					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	7.42	Rating **	M	Issue No.	51
LM End	7.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.294074 °	39.294074 °
				-122.021435 °	-122.021435 °
DWR ID	DWR_MA0001_01_s_2014_51				

Photo 1 of 2 : UCIP_4929.jpg



Action/Comments					
Inspector Comments: FS_ID:25796					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Sediment and debris on waterward and landward side.					
This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0293 for wooden slide gate held open					
by a piece of rebar acting as a pin 7/18/2013 Same as last					
inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 5 foot by 6 foot concrete box culvert through					
the levee and access ramp. Two wooden slide gates on waterward end.					
Concrete v-ditch along landward toe. This entry matches the Drainage					
and Irrigation Structure referenced in O&M manual (Station 385+33.5).					
FS Date: 12/30/2013 12:59:59 PM					

View of concrete headwall under access ramp with concrete v-ditch.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	7.42	Rating **	M	Issue No.	51 (cont)	
LM End	7.42	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.294074 °	39.294074 °	
				-122.021435 °	-122.021435 °	
DWR ID	DWR_MA0001_01_s_2014_51					
Action/Comments						
Inspector Comments: FS_ID:25796						
EP_NO: N/A						
Repair Type:						
Crossing Status:						
UCIP Comments: Sediment and debris on waterward and landward side.						
This crossing was listed in the USACE Periodic Inspection as ID#						
USACE_CESPK_MA1C_2010_p_0293 for wooden slide gate held open						
by a piece of rebar acting as a pin 7/18/2013 Same as last						
inspection 12/17/2013 Same as last inspection.						
FIELD_STRUCT_DESC: 5 foot by 6 foot concrete box culvert through						
the levee and access ramp. Two wooden slide gates on waterward end.						
Concrete v-ditch along landward toe. This entry matches the Drainage						
and Irrigation Structure referenced in O&M manual (Station 385+33.5).						
FS Date: 12/30/2013 12:59:59 PM						

Photo 2 of 2 : UCIP_4936.jpg



View of concrete structure on waterward side.

LM Start	7.74	Rating **	M	Issue No.	53
LM End	7.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.297384 °	39.297384 °
				-122.022989 °	-122.022989 °
DWR ID	DWR_MA0001_01_s_2014_53				
Action/Comments					
Inspector Comments: FS_ID:25797					
EP_NO: 12334					
Repair Type:					
Crossing Status:					
UCIP Comments: Siphon breaker housing unit is bent and has debris inside. LS outlet not found 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 10-inch steel pipe through levee, 3 feet below the crown. Centrifugal pump on the bank. Siphon breaker on landward shoulder of the levee. (Permit No. 12334-1978, James Jean)					
FS Date: 12/30/2013 1:02:18 PM					

Photo 1 of 2 : UCIP_4939.jpg



Pump located on waterward bank.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	7.74	Rating **	M	Issue No.	53 (cont)	
LM End	7.74	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.297384 °	39.297384 °	
				-122.022989 °	-122.022989 °	
DWR ID	DWR_MA0001_01_s_2014_53					
Action/Comments						
Inspector Comments: FS_ID:25797						
EP_NO: 12334						
Repair Type:						
Crossing Status:						
UCIP Comments: Siphon breaker housing unit is bent and has debris inside. LS outlet not found 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.						
FIELD_STRUCT_DESC: 10-inch steel pipe through levee, 3 feet below the crown. Centrifugal pump on the bank. Siphon breaker on landward shoulder of the levee. (Permit No. 12334-1978, James Jean)						
FS Date: 12/30/2013 1:02:18 PM						

Photo 2 of 2 : UCIP_4941.jpg



View of utility pole located on landward toe.

LM Start	7.87	Rating **	M	Issue No.	52
LM End	7.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.297303 °	39.297303 °
				-122.025257 °	-122.025257 °
DWR ID	DWR_MA0001_01_s_2012_52				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	7.87	Rating **	A/W	Issue No.	24
LM End	7.97	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.297533 °	39.297420 °
				-122.021779 °	-122.027010 °
DWR ID	DWR_MA0001_01_s _ 2012_24				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	8.94	Rating **	M	Issue No.	25
LM End	9.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.308390 °	39.315125 °
				-122.031157 °	-122.030206 °
DWR ID	DWR_MA0001_01_s _ 2012_25				
Action/Comments					
Ditch					

Photo 1 of 1 : rduffey_s_20140304_325.jpg



View of the ag. ditch along the L/S toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	9.11	Rating **	M	Issue No.	54
LM End	9.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.311103 °	39.311103 °
				-122.030541 °	-122.030541 °
DWR ID	DWR_MA0001_01_s_2014_54				

Action/Comments

Inspector Comments: FS_ID:25798

EP_NO: 9466

Repair Type:

Crossing Status:

UCIP Comments: No access to inspect slide gate on LS. Roof of pumping house deteriorating and debris scattered on landward side. WS crossing not found. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_345 no issues recorded 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.

FIELD_STRUCT_DESC: 24-inch steel pipe through the levee. Slide gate in concrete riser on the landward slope. Pump house encroaches into the landward slope. Two service poles on the landward shoulder. (ABO No. 9466-1974, Roman Catholic Bishop of Sacramento)

FS Date: 12/30/2013 1:03:07 PM

Photo 1 of 2 : UCIP_4943.jpg



Pump house located on landward slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	9.11	Rating **	M	Issue No.	54 (cont)
LM End	9.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.311103 °	39.311103 °
				-122.030541 °	-122.030541 °
DWR ID	DWR_MA0001_01_s_2014_54				
Action/Comments					
Inspector Comments: FS_ID:25798					
EP_NO: 9466					
Repair Type:					
Crossing Status:					
UCIP Comments: No access to inspect slide gate on LS. Roof of pumping house deteriorating and debris scattered on landward side.					
WS crossing not found. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_345 no issues recorded 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch steel pipe through the levee. Slide gate in concrete riser on the landward slope. Pump house encroaches into the landward slope. Two service poles on the landward shoulder. (ABO No. 9466-1974, Roman Catholic Bishop of Sacramento)					
FS Date: 12/30/2013 1:03:07 PM					

Photo 2 of 2 : UCIP_4944.jpg



Standpipe located at the landward toe.

LM Start	10.31	Rating **	M	Issue No.	55
LM End	10.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.328121 °	39.328121 °
				-122.029262 °	-122.029262 °
DWR ID	DWR_MA0001_01_s_2014_55				
Action/Comments					
Inspector Comments: FS_ID:25799					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: 7/18/2013 Same as last inspection. Unable to locate 12/17/2013 Unable to locate.					
FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee at an unknown depth. Slide gate on the outlet end of the pipe.					
This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 538+42). (USACE, 1955)					
FS Date: 12/30/2013 1:04:31 PM					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	10.31	Rating **	M	Issue No.	56
LM End	10.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.328121 °	39.328121 °
				-122.029262 °	-122.029262 °
DWR ID	DWR_MA0001_01_s _ 2014_56				
Action/Comments					
Inspector Comments: FS_ID:25801					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: 7/18/2013 Same as last inspection. Unable to locate.					
FIELD_STRUCT_DESC: 24 inch steel pipe through the levee at an unknown depth. Automatic drainage gate on the outlet end of the pipe.					
This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 538+42). (USACE, 1955)					
FS Date: 12/30/2013 1:06:40 PM					

No Photos

LM Start	10.35	Rating **	A/W	Issue No.	18
LM End	10.35	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.328697 °	39.328697 °
				-122.029262 °	-122.029262 °
DWR ID	DWR_MA0001_01_s _ 2012_18				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140304_323.jpg



View of the erosion along the waterside of the levee.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	10.43	Rating **	M	Issue No.	57
LM End	10.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329749 °	39.329749 °
				-122.029602 °	-122.029602 °
DWR ID	DWR_MA0001_01_s_2014_57				
Action/Comments					
Inspector Comments: FS_ID:25800					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Landward side has been completely altered. Need to find permit for new work/18/2013 Same as last inspection12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch steel pipe through levee. Gate valve on the waterward end. (USACE, 1955) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (538+42).					
FS Date: 12/30/2013 1:05:22 PM					

Photo 1 of 1 : UCIP_4951.jpg



Dual 14-inch pipes along catwalk. 24-inch pipe crosses approximately 8 feet below catwalk floor.

LM Start	10.43	Rating **	M	Issue No.	58
LM End	10.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329750 °	39.329750 °
				-122.029602 °	-122.029602 °
DWR ID	DWR_MA0001_01_s_2014_58				
Action/Comments					
Inspector Comments: FS_ID:25802 EP_NO: 1800 Repair Type: Crossing Status: UCIP Comments: This crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U7/18/2013 Same as last inspection12/17/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 14-inch steel pipes through levee. Siphon breakers on the waterward end. (Permit No. 1800-1959, Jimeno Rancho) FS Date: 12/30/2013 1:08:15 PM					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	10.43	Rating **	M	Issue No.	59
LM End	10.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329750 °	39.329750 °
				-122.029602 °	-122.029602 °
DWR ID	DWR_MA0001_01_s _ 2014_59				
Action/Comments					
Inspector Comments: FS_ID:25803					
EP_NO: 1800					
Repair Type:					
Crossing Status:					
UCIP Comments: This crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U7/18/2013 Same as last inspection12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 2: 14-inch steel pipes through levee. Siphon breakers on the waterward end. (Permit No. 1800-1959, Jimeno Rancho)					
FS Date: 12/30/2013 1:11:21 PM					

No Photos

LM Start	11.25	Rating **	M	Issue No.	12
LM End	11.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.340774 °	39.340774 °
				-122.032872 °	-122.032872 °
DWR ID	DWR_MA0001_01_s _ 2012_12				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	11.25	Rating **	M	Issue No.	60
LM End	11.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340867 °	39.340867 °
				-122.032932 °	-122.032932 °
DWR ID	DWR_MA0001_01_s_2014_60				
Action/Comments					
Inspector Comments: FS_ID:25808					
EP_NO: 187					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate/18/2013 Same as last inspection12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.)					
FS Date: 12/30/2013 1:31:31 PM					

Photo 1 of 1 : UCIP_4979.jpg



Slide gates for 52-inch pipes through levee (higher levee).

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	11.26	Rating **	M	Issue No.	61
LM End	11.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340971 °	39.340971 °
				-122.032957 °	-122.032957 °
DWR ID	DWR_MA0001_01_s _ 2014_61				
Action/Comments					
Inspector Comments: FS_ID:25809					
EP_NO: 187					
Repair Type:					
Crossing Status:					
UCIP Comments: Missing positive closure device. Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be abandoned. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate/18/2013 Same as last inspection/12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.)					
FS Date: 12/30/2013 1:35:48 PM					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	11.43	Rating **	M	Issue No.	62
LM End	11.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343283 °	39.343283 °
				-122.032145 °	-122.032145 °
DWR ID	DWR_MA0001_01_s_2014_62				

Action/Comments					
Inspector Comments: FS_ID:25811					
EP_NO: 17471					
Repair Type:					
Crossing Status:					
UCIP Comments: Erosion between risers with slide gates located on waterward side; This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0398 for possible sinkhole between access gate structure 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter HDPE discharge pipes to be connected to the existing standpipe risers within the waterside and parallel to the right (west) bank levee of Sacramento River. Pump station is located approximately 450 feet upstream of crossing. (Permit 17471-2002, Maxwell Irrigation District)					
FS Date: 12/30/2013 1:48:40 PM					

Photo 1 of 1 : UCIP_4989.jpg



View of CMP risers located on waterward side.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	11.43	Rating **	M	Issue No.	63
LM End	11.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343263 °	39.343263 °
				-122.032152 °	-122.032152 °
DWR ID	DWR_MA0001_01_s_2014_63				
Action/Comments					
Inspector Comments: FS_ID:25812					
EP_NO: 17471					
Repair Type:					
Crossing Status:					
UCIP Comments: Erosion between risers with slide gates located on waterward side; This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0398 for possible sinkhole between access gate structure 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 2: 24 inch diameter HDPE discharge pipes to be connected to the existing standpipe risers within the waterside and parallel to the right (west) bank levee of Sacramento River. (Permit 17471-2002, Maxwell Irrigation District)					
FS Date: 12/30/2013 1:51:10 PM					

No Photos

LM Start	11.45	Rating **	M	Issue No.	27
LM End	11.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.343542 °	39.347185 °
				-122.032107 °	-122.031525 °
DWR ID	DWR_MA0001_01_s_2012_27				
Action/Comments					
Ditch					

Photo 1 of 1 : rduffey_s_20140304_326.jpg



View of the ag. ditch along the L/S toe.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	11.51	Rating **	M	Issue No.	64
LM End	11.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344376 °	39.344376 °
				-122.031792 °	-122.031792 °
DWR ID	DWR_MA0001_01_s_2014_64				
Action/Comments					
Inspector Comments: FS_ID:25817					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine encroachment permit associated with this crossing 7/22/2013 Same as last inspection 12/17/2013					
Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 3: 24 inch discharge pipe through levee.					
Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder.					
FS Date: 12/30/2013 1:57:23 PM					

Photo 1 of 1 : UCIP_5004.jpg



Pump station located on waterward side.

LM Start	11.51	Rating **	M	Issue No.	65
LM End	11.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344390 °	39.344390 °
				-122.031787 °	-122.031787 °
DWR ID	DWR_MA0001_01_s_2014_65				
Action/Comments					
Inspector Comments: FS_ID:25818					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine encroachment permit for this crossing 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 3: 24 inch discharge pipe through levee.					
Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder.					
FS Date: 12/30/2013 2:00:53 PM					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	11.51	Rating **	M	Issue No.	66
LM End	11.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344400 °	39.344400 °
				-122.031785 °	-122.031785 °
DWR ID	DWR_MA0001_01_s _ 2014_66				
Action/Comments					
Inspector Comments: FS_ID:25819					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine encroachment permit for this crossing 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 3 of 3: 24 inch discharge pipe through levee.					
Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder.					
FS Date: 12/30/2013 2:02:31 PM					

No Photos

LM Start	12.00	Rating **	M	Issue No.	23
LM End	12.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.351155 °	39.351832 °
				-122.030443 °	-122.030295 °
DWR ID	DWR_MA0001_01_s _ 2012_23				
Action/Comments					
Landscaping					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	12.32	Rating **	M	Issue No.	67
LM End	12.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.355516 °	39.355516 °
				-122.028700 °	-122.028700 °
DWR ID	DWR_MA0001_01_s _ 2014_67				
Action/Comments					
Inspector Comments: FS_ID:25820					
EP_NO: 13449					
Repair Type:					
Crossing Status:					
UCIP Comments: 11/2012 Buried line. No markers found; Need to contact PG&E to determine if crossing is still present2/2012 According to PG&E, their records indicate that pipe segment has been retired per dwgs. PG&E is finding additional information to confirm if crossing has been retired and method of retirement. Waiting for clarification from PG&E/22/2013 Same as last inspection12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 4-inch gas pipeline through levee, 30-inches below crown. PG&E crossing is known as reference no. 167-6-13. (Permit No. 13449-1983, PG&E) Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Coordinates are approximate,					
FS Date: 12/30/2013 2:04:18 PM					

No Photos

LM Start	12.33	Rating **	M	Issue No.	4
LM End	13.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.355607 °	39.362600 °
				-122.028707 °	-122.014497 °
DWR ID	DWR_MA0001_01_s _ 2012_4				
Action/Comments					
Ditch					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	12.96	Rating **	M	Issue No.	68
LM End	12.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359843 °	39.359843 °
				-122.019529 °	-122.019529 °
DWR ID	DWR_MA0001_01_s_2014_68				
Action/Comments					

Action/Comments

Inspector Comments: FS_ID:25822
 EP_NO: 9462
 Repair Type:
 Crossing Status:
 UCIP Comments: Slide gate unoperable-blocked by sediment. LS-flap gate missing. 5-inch pipe goes through 24-inch crossing--unable to determine is authorized. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0435 for smaller pipe running inside existing crossing/22/2013 Same as last inspection/12/17/2013 Same as last inspection.
 FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee. Slide gate on both ends. (ABO No. 9462-1974, Thousand Acre Ranch)
 FS Date: 12/30/2013 2:08:51 PM

Photo 1 of 1 : UCIP_5017.jpg



WS concrete structure with slide gate. Gate is blocked by sediment.

*** Location**
 LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
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 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	13.76	Rating **	M	Issue No.	69
LM End	13.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.367643 °	39.367643 °
				-122.015212 °	-122.015212 °
DWR ID	DWR_MA0001_01_s_2014_69				
Action/Comments					
Inspector Comments: FS_ID:25827					
EP_NO: 9461					
Repair Type:					
Crossing Status:					
UCIP Comments: Unable to close positive closure device due to missing ladder-sluid gate inaccessible. Need to determine the condition of the gate. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0453 for an inaccessible gate box with its ladder broken on the waterward side 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through levee, 21.5 feet below crown. Slide gate in concrete box on waterward end. Pump on the bank. (ABO No. 9461-1974, Annie D. Propfe) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 710+82).					
FS Date: 12/30/2013 2:23:40 PM					

Photo 1 of 1 : UCIP_5019.jpg



Concrete distribution box located on landward toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	14.08	Rating **	M	Issue No.	70
LM End	14.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.371934 °	39.371934 °
				-122.012945 °	-122.012945 °
DWR ID	DWR_MA0001_01_s_2014_70				
Action/Comments					
Inspector Comments: FS_ID:25829					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Slide gate is buried-non-fuctional. This crossing was listed in the USACE Periodic Inspections as ID#					
USACE_CESPK_MA1C_2010_p_0457 for buried slide gate/22/2013 Same as last inspection/12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe through levee. Slide gate on waterward end. (Davis Ranches)					
FS Date: 12/30/2013 2:25:40 PM					

Photo 1 of 1 : UCIP_5024.jpg



Slide gate buried-non-functional.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	14.59	Rating **	M	Issue No.	71
LM End	14.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.378568 °	39.378568 °
				-122.013262 °	-122.013262 °
DWR ID	DWR_MA0001_01_s_2014_71				
Action/Comments					
Inspector Comments: FS_ID:25831					
EP_NO: 9460					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine if crossing is still being used there are some abandoned features that remain at this crossing--crossing has been modified. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0464 for abandoned pump station/22/2013 Same as last inspection/12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 18-inch steel pipe through levee. Gate valve on the waterward end. Pump house on the waterward berm. Concrete distribution box and flap gate at the landward toe. (ABO No. 9460-1974, Morici Corporation)					
FS Date: 12/30/2013 2:34:47 PM					

Photo 1 of 1 : UCIP_5026.jpg



Concrete distribution box located on landward toe.

LM Start	16.34	Rating **	M	Issue No.	1
LM End	16.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.411111 °	39.407837 °
				-122.009238 °	-122.008763 °
DWR ID					
Action/Comments					
Inspector Comments: Erosion site added in 1997 and removed in 2005. 2009 - Site added back in, hard toe with slow moving erosion. Potential geotechnical failure. 2011 - Site extended downstream. 2013: No observed changes. [2013 Site ID: SAC_164-3_R]					

Photo 1 of 2 : USACE2013A_SAC_164-3_R_1.jpg



USACE 2013 Photo #1

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	16.34	Rating **	M	Issue No.	1 (cont)
LM End	16.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.411111 °	39.407837 °
				-122.009238 °	-122.008763 °
DWR ID					
Action/Comments					
Inspector Comments: Erosion site added in 1997 and removed in 2005. 2009 - Site added back in, hard toe with slow moving erosion. Potential geotechnical failure. 2011 - Site extended downstream. 2013: No observed changes. [2013 Site ID: SAC_164-3_R]					

Photo 2 of 2 : USACE2013A_SAC_164-3_R_3.jpg



USACE 2013 Photo #2

LM Start	16.43	Rating **	U	Issue No.	14
LM End	16.43	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.403930 °	39.403930 °
				-122.008925 °	-122.008925 °
DWR ID	DWR_MA0001_01_s _ 2012_14				
Action/Comments					
Building					

No Photos

LM Start	16.45	Rating **	U	Issue No.	26
LM End	16.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.404135 °	39.404135 °
				-122.008797 °	-122.008797 °
DWR ID	DWR_MA0001_01_s _ 2012_26				
Action/Comments					
Building					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	16.65	Rating **	M	Issue No.	15
LM End	16.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.407066 °	39.407363 °
				-122.008730 °	-122.008780 °
DWR ID	DWR_MA0001_01_s _ 2012_15				
Action/Comments					
Building					

No Photos

LM Start	16.66	Rating **	U	Issue No.	46
LM End	16.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.407225 °	39.407545 °
				-122.008570 °	-122.008640 °
DWR ID	DWR_MA0001_01_s _ 2012_46				
Action/Comments					
Building					

No Photos

LM Start	16.70	Rating **	U	Issue No.	47
LM End	16.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.407670 °	39.407823 °
				-122.008685 °	-122.008740 °
DWR ID	DWR_MA0001_01_s _ 2012_47				
Action/Comments					
Fence					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	16.85	Rating **	M	Issue No.	72
LM End	16.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.409758 °	39.409758 °
				-122.009562 °	-122.009562 °
DWR ID	DWR_MA0001_01_s_2014_72				
Action/Comments					
Inspector Comments: FS_ID:25833					
EP_NO: 2189					
Repair Type:					
Crossing Status:					
UCIP Comments: 11/2012 Buried line--no markers visible. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing 2/2012 Crossing is an active line. Waiting for additional information from PG&E 2/22/2013 Same as last inspection 12/17/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 2-inch gas line along landward toe from 12-inch gas line at levee mile 16.85 to the Princeton Rice Dryer. 2-inch pipeline installed longitudinally on the levee parallel to HWY 45 in a northerly direction from the point where the 2-10-inch pipes were installed in the levee. (Permit No. 2189-1958, PG&E) Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Utility crossing coordinates are approximate.					
FS Date: 12/30/2013 2:39:22 PM					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	03/11/2014 03/11/2014	Bob Duffey

LM Start	16.91	Rating **	M	Issue No.	73
LM End	16.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.410645 °	39.410645 °
				-122.009705 °	-122.009705 °
DWR ID	DWR_MA0001_01_s_2014_73				
Action/Comments					

Inspector Comments: FS_ID:25835

EP_NO: 14424

Repair Type:

Crossing Status:

UCIP Comments: 11/2012 Utility warning sign damaged. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing.

12/2012 Waiting for information regarding crossing from PG&E.

Regarding damage warning sign--PG&E has initiated a project to replace pipeline crossing sign and utility markers, as required by DOT codes/regulation 7/22/2013 Same as last inspection 12/17/2013

Same as last inspection.

FIELD_STRUCT_DESC: 12-inch gas pipeline through levee, 30-inches below crown. This 12-inch replacement pipe was installed by horizontally directionally drilling under the State HWY. Crossing is cathodically protected against external corrosion. (Permit No. 14424-1988, PG&E) Emergency contact Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Utility crossing coordinates are approximate. This pipe is under pressure and cathodic protection (CP) readings are taken on a regular schedule.

FS Date: 12/30/2013 2:44:59 PM

Photo 1 of 1 : UCIP_5034.jpg



Damage marker located on waterward slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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